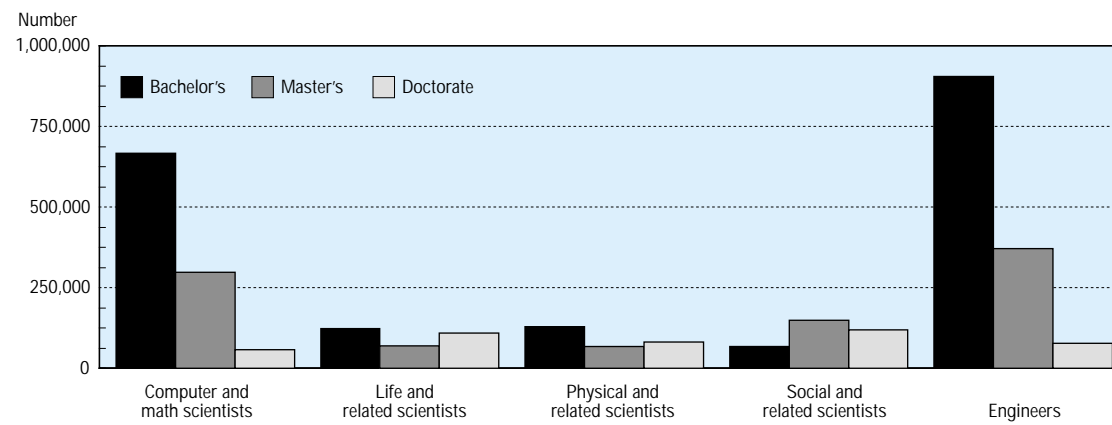


Working Scientists and Engineers





Figure 21. Employed scientists and engineers by broad occupation and highest degree: 1997



SOURCES: National Science Foundation, Division of Science Resources Studies, 1997 Scientists and Engineers Statistical Data System (SESTAT) integrated database.

Figure 22. Distribution of employed scientists and engineers by race/ethnicity: 1997

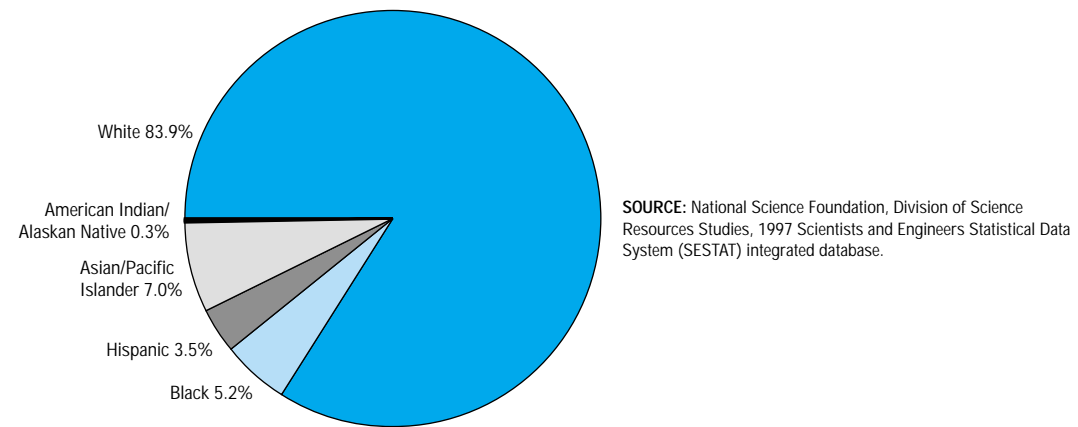


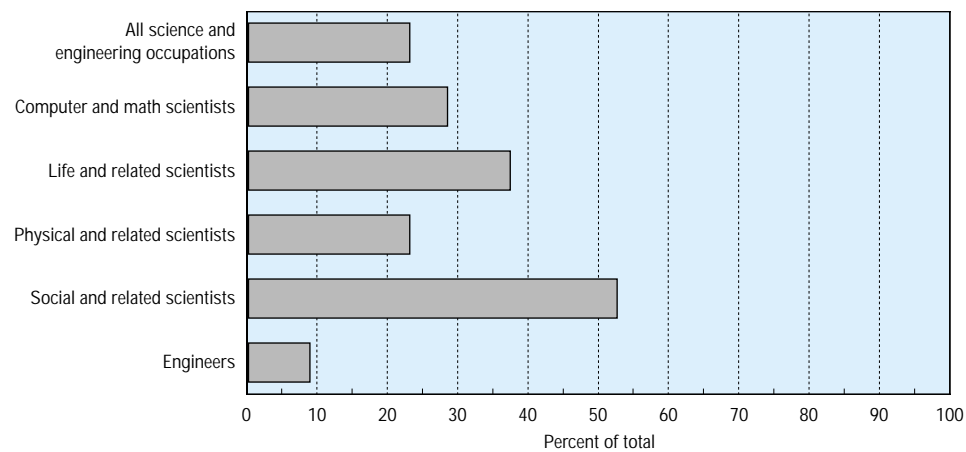
Figure 23. Scientists, engineers, and technicians (SETs) in services industries: 1997

Industry	Scientists	Engineers	Technicians	Total SETs
Total	80,100	162,600	278,600	521,300
Transportation	9,000	9,900	13,200	32,100
Communication	21,200	41,600	79,400	142,200
Electric, gas, and sanitary services	10,600	35,300	43,100	89,000
Wholesale trade—durable and nondurable goods	28,600	67,200	125,400	221,200
Retail	10,700	8,600	17,500	36,800

NOTE: The term "services industries" as used here denotes establishments engaged in wholesale and retail trade, transportation, communications, and utilities. Excluded are educational services, state and local government, and other industries traditionally thought of as "services" industries – such as financial, insurance, real estate, and legal services; entertainment; health services; social services; and hotels and other lodging places.

SOURCE: U.S. Bureau of Labor Statistics, Occupational Employment Statistics Survey.

Figure 24. Proportion of women in the science and engineering workforce by broad occupation: 1997



SOURCE: National Science Foundation, Division of Science Resources Studies, 1997 Scientists and Engineers Statistical Data System (SESTAT) integrated database.

Figure 25. Proportion of minorities in the U.S. doctoral science and engineering labor force, by field of doctorate: 1997

Doctorate field	Black	Asian/Pacific Islander	Hispanic	American Indian/ Alaskan Native
Total science and engineering	2.3	13.3	2.3	0.3
Sciences	2.5	10.1	2.3	0.4
Mathematics	1.6	15.8	2.1	0.1
Computer sciences	1.5	29.0	2.4	0.1
Physical sciences	1.4	14.3	2.1	0.3
Life sciences	2.2	11.0	2.1	0.3
Social sciences	3.7	4.5	2.8	0.6
Engineering	1.4	28.8	1.9	0.1
Chemical engineering	1.1	26.8	1.6	0.0
Civil engineering	2.7	28.7	2.7	0.1
Electrical engineering	1.4	30.8	2.2	0.2
Industrial engineering	2.2	27.7	1.4	0.8

SOURCE: National Science Foundation; Division of Science Resources Studies, 1997 Survey of Doctorate Recipients.